222 / 223

Barrier-Free® Examination Table

Ritter® by MIDMARK

CE

Refer to compliance chart in this manual.

User's Guide

003-1592-00 Rev. N (4/24/15)

TP202 Rev. A

Style L

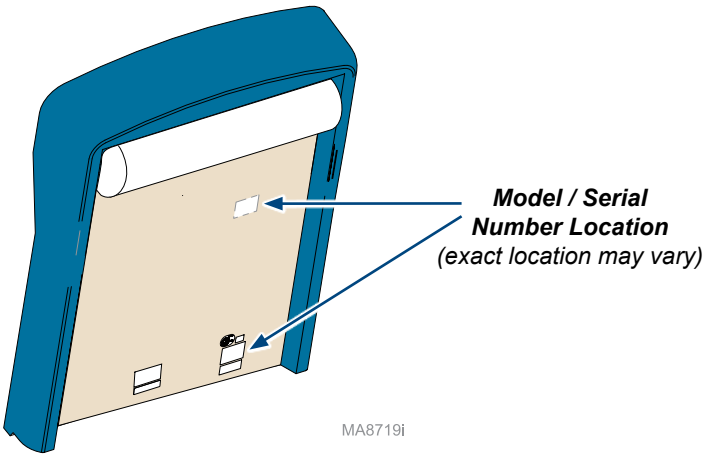
Product Information

Dealer :

Date of Purchase:

Model / Serial Number:

Midmark Authorized Service Company:



Product Registration

To register your product warranty go to www.Midmark.com.

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Important Information

Safety Symbols

WARNING
Indicates a potentially hazardous situation which could result in serious injury.

Caution
Indicates a potentially hazardous situation which may result in minor or moderate injury.
It may also be used to alert against unsafe practices

Equipment Alert
Indicates a potentially hazardous situation which could result in equipment damage.

Note
Amplifies a procedure, practice, or condition.

Duty Cycle (motor run time)
Domestic: 30 seconds ON, 5 minutes OFF
Export: 25 seconds ON, 7 minutes OFF

Proper shipping orientation

Fragile

Type B, Applied Part
(Upholstery)

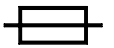
Protective earth ground

Patient Weight Limit

No Pushing

Keep dry

Maximum stacking height
(**palletted** units)


Fuse rating specification

Dangerous voltage / shock hazard

Refer to manual

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Warnings

Warning
To avoid injury, do not put head or extremities under the paper tear strap.

Warning
Connecting equipment to the multiple socket outlet effectively leads to creating a Medical Electrical System and the result can be a reduced level of safety.

Warning
Table must be positioned in normal use such that the power cords can be easily accessed to unplug.

Warning
To avoid risk of electric shock, this equipment must only be connected to a supply mains with protective earth.

WARNING
Equipment is not suitable for use in the presence of a flammable anesthetic mixture.

Clarification: Equipment is suitable for use in the presence of oxygen, air, or nitrous oxide.

Warning
No modification of this equipment is allowed.

Intended Use

This product is intended to be used as a chair / table to provide positioning and support of patients during general examinations and procedures conducted by qualified medical professionals in an office environment.

Electrical Requirements

Caution
To completely isolate the table from electrical mains supply, both power cords must be unplugged.

When using high frequency surgical devices or endocardial catheters:
- *Use non-conductive material to insulate patient from metal portions of the table.*
- *Consult operating instructions for the device before using in conjunction with drawer or upholstery heater.*

Failure to comply may result in electric shock or burns to patient.

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Electromagnetic Interference

This product is designed and built to minimize electromagnetic interference with other devices. However, if interference is noticed between another device and this product:

- Remove interfering device from room.
- Plug chair into an isolated circuit.
- Increase separation between chair and interfering device.
- Contact Midmark if interference persists.

Disposal of Equipment

At the end of product life, the table, accessories, and other consumable goods may become contaminated from normal use. Consult local codes and ordinances for proper disposal of equipment, accessories and other consumable goods.

Authorized CE Representative

Countries in the EEC should direct all questions,incidents, and complaints to Midmark's Authorized CE representative listed here:

Midmark Europe SAS
22, Rue De St Denis
53500 Ernee,
FRANCE
Phone: 33-2-430-517-76
Fax: 33-2-430-569-10

Transportation / Storage Conditions

Ambient Temperature Range:.....+5°C to +38°C (+41°F to 100°F)
Relative Humidity.....10% to 90% (non-condensing)
Atmospheric Pressure .....500hPa to 1060hPa (0.49atm to 1.05atm)

Operating Conditions

Ambient Temperature Range:.....+10°C to +40°C (+50°F to 104°F)
Relative Humidity.....30% to 75% (non-condensing)
Atmospheric Pressure .....700hPa to 1060hPa (0.69atm to 1.05atm)

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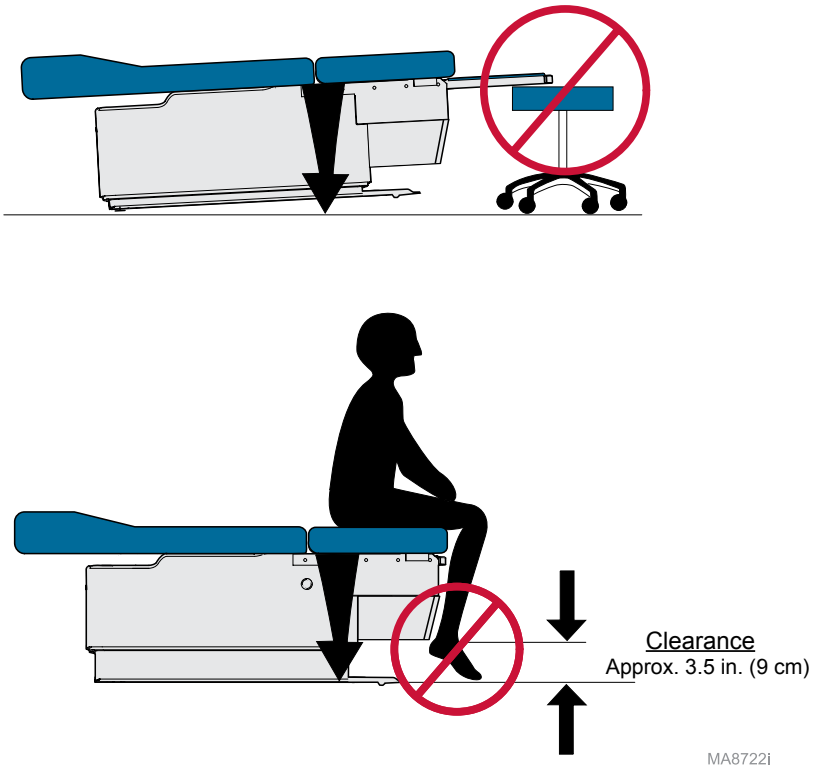
Safety Instructions

Caution
Be sure that all personnel and equipment are clear of the table before activating any function. Failure to do so could result in personal injury.

At the table's lowest height *[18 in. (45.7 cm)],* the clearance between the bottom of the drawer and the floor is approximately 3.5 in. (9 cm). Make sure patient *(esp. feet)* and all objects are clear of this area before lowering table.

If the table malfunctions, immediately release foot pedal, unplug the table power cord, and assist the patient from the table. If table continues to malfunction, call for service.

Failure to comply with these instructions may result in injury to patient and/or damage to equipment.



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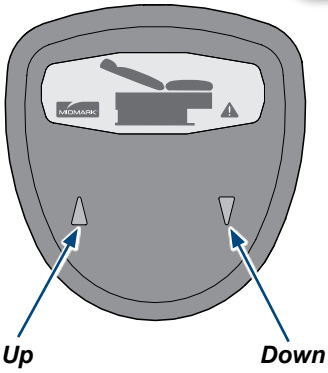
Operation

Table Up / Down Operation

Note
The table automatically stops at it's maximum and minimum height.

To move the table Up or Down...
Press and hold the appropriate button.

222



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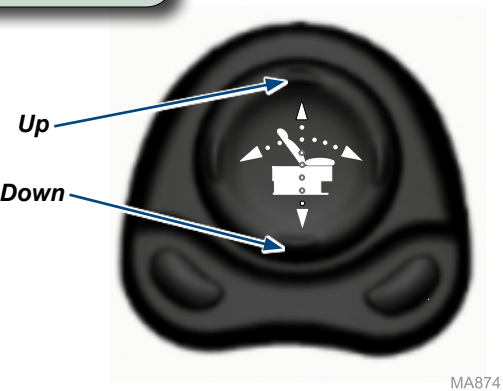

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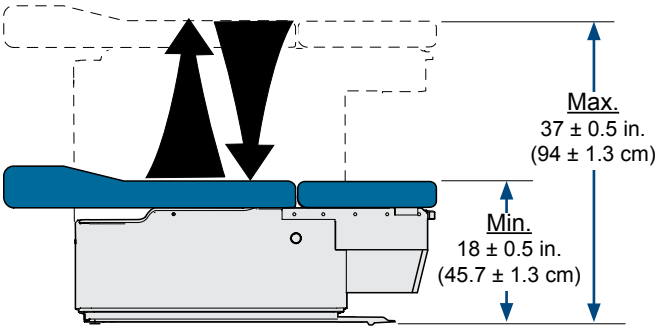
Equipment Alert
If the table's weight limit is exceeded, you will hear a "beep" and the function will be disabled. If the problem occurs with a normal load, contact your service technician.



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Operation - continued

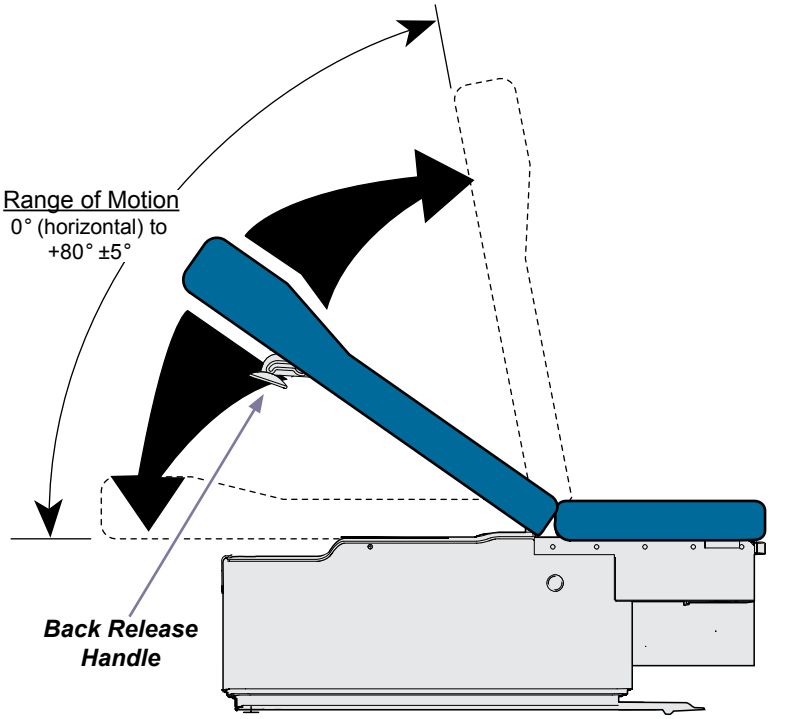
Back Up / Down Operation - 222

To position the back section...

A) While holding the back section in place, squeeze the Back Release Handle (either side).

B) Move the back section.

C) Release handle to lock back section in position.



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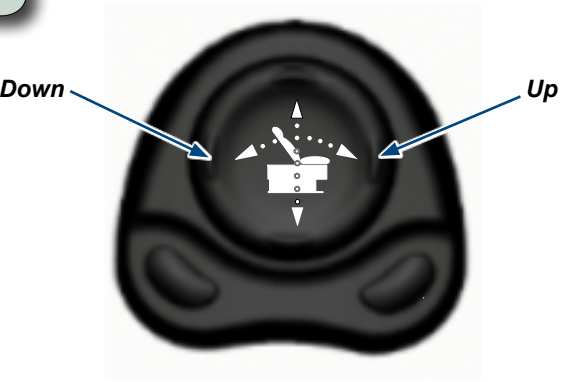
Operation - continued

Back Up / Down Operation - 223

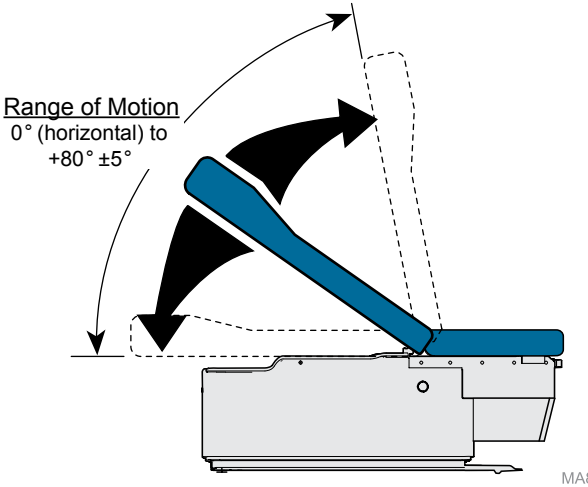
Note
The back section automatically stops at the top and bottom of it's travel.

To position the back section...
Press and hold the appropriate button.



MA8728i

Equipment Alert
If the table's weight limit is exceeded, you will hear a "beep" and the function will be disabled. If the problem occurs with a normal load, contact your service technician.



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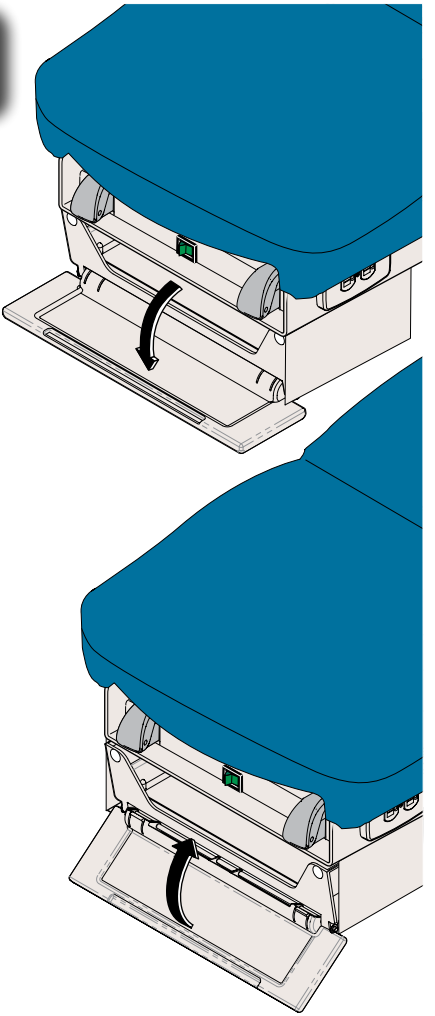
Exam Assistant® Drawer System

To use the drawer front as a shelf...
Pull drawer front down to release the magnetic latch.

Equipment Alert
The maximum weight the shelf will support is 10 lbs (4.5 kg).

If drawer front folds past horizontal...
Pull drawer front upward until it snaps back into the horizontal position.

Equipment Alert
If drawer front folds past horizontal, ***do not*** *operate table.*



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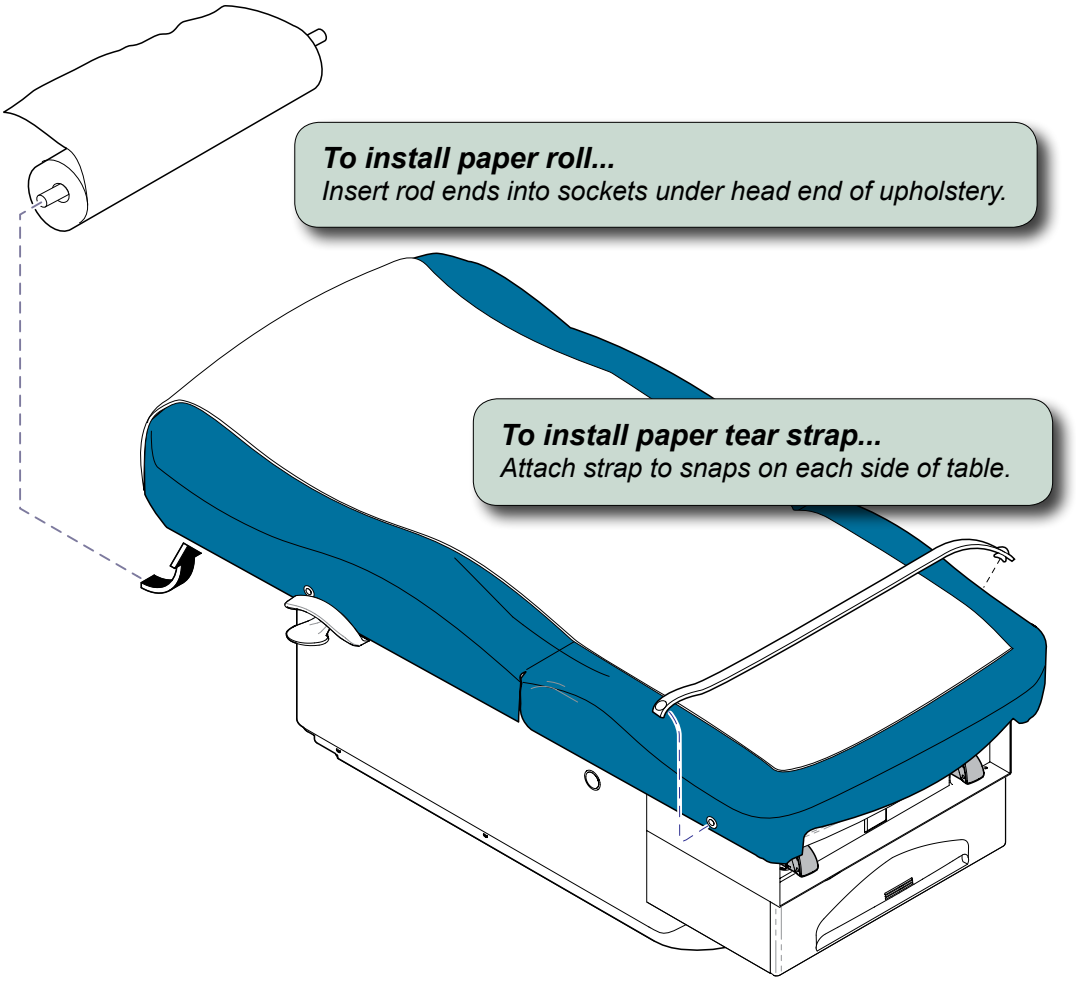
Paper Roll & Tear Strap

Note
Up to four paper rolls (max.) may be stored under the back section.

Paper Roll Size (maximum):
222 & 223 (-016)..... 21 in. wide x 3.5 in. diameter
(53.3 cm x 8.9 cm)
222 (-017) ..... 19.7 in. wide x 4.7 in. diameter
(50 cm x 12 cm)


To install paper roll...
Insert rod ends into sockets under head end of upholstery.
To install paper tear strap...
Attach strap to snaps on each side of table.

MA8730i

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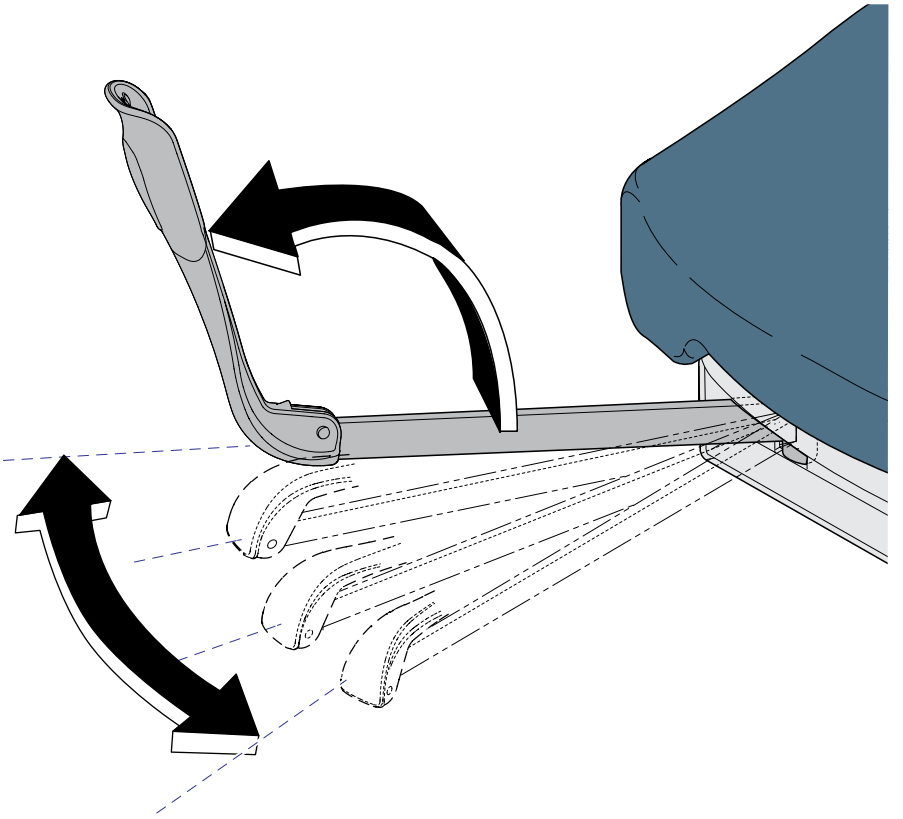
Stirrups

Caution
Be sure the stirrups are locked in place before using.
The stirrups will not support the patient's entire weight.

To position the stirrups...
A) Pull the stirrup out, then unfold.
B) Lift the stirrup slightly, then move it left or right as desired.
C) Release stirrup to lock in position.



MA8731i

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Footrest & Treatment Pan

Caution
Do not use footrest to support patient's entire weight.

To access the treatment pan...
Lift footrest pad slightly, then slide pad back into table.
To extend footrest...
Pull footrest out to desired position.
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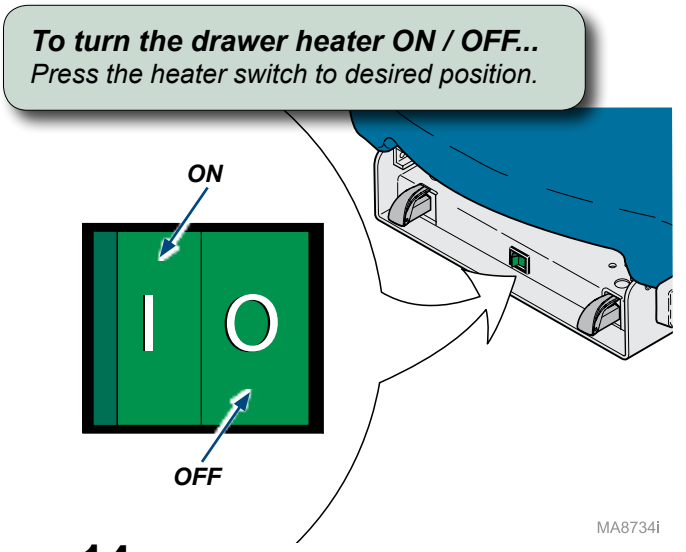
Drawer Heater *(optional)*

Note
The drawer heater switch illuminates when heater is ON.

The drawer heater warms the contents of the drawer to approximately 98ºF (37ºC).



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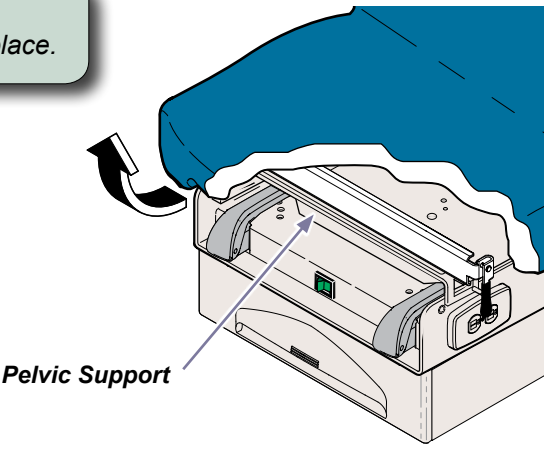
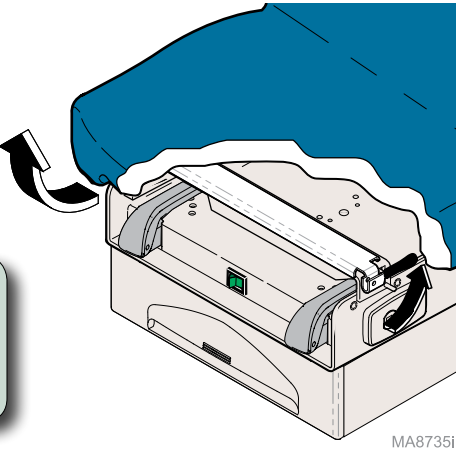
Pelvic Tilt

To elevate seat section...
Lift seat until pelvic support drops into place.



To return seat section to flat position...
A) Lift seat section slightly.
B) Pivot pelvis support handle upward.
C) Lower seat section.



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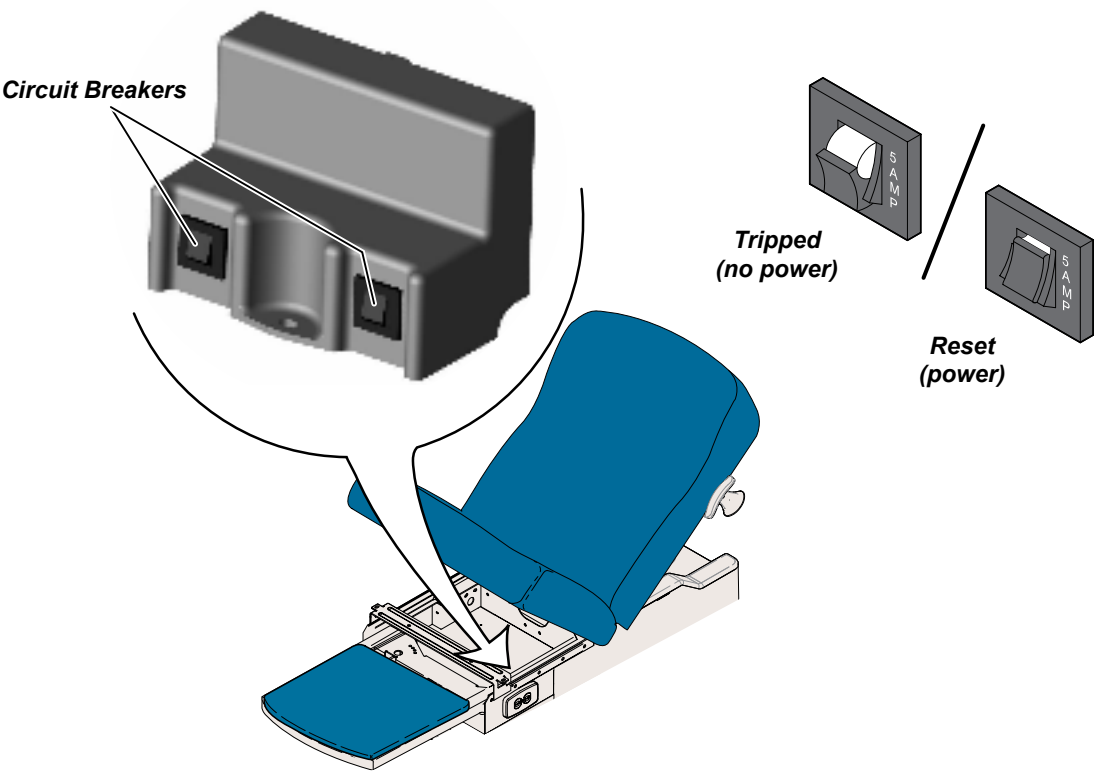
Duplex Receptacle (not available on 230 volt models)

The duplex receptacle on the side of the table provides power for accessories used during medical procedures. There are two circuit breakers located under the seat section. If the receptacle's maximum load is exceeded, the circuit breakers interrupt power to the receptacle.

Maximum Load:..... 115 VAC, 5 amps

To reset the circuit breaker(s)...
Push circuit breaker switch.



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Maintenance

Cleaning

Upholstery

> **Equipment Alert**
> *The upholstery is resistant to most medicinal-type stains, but may be damaged by solvents and dyes. Immediately remove any fluids spilled on the upholstery.*

Wash your upholstery weekly with a mild liquid soap and water mixture, rinse with clear water and dry completely to remove disinfection cleaner build-up.

Disinfect your upholstery with a solution of standard bleach and water mixed 1 in 10 (10%) or chlorine based cleaners. Follow this with a clear water rinse and thorough drying of material. See current CDC Guideline for Disinfection & Sterilization in Healthcare Facilities.

To minimize damage caused by disinfectant cleaner residue build-up, do not allow disinfectants to pool on the upholstery surface. Once the approved contact time has been obtained, remove and dry excess liquid remaining on the surface.

Detailed care and maintain instructions are available in your user guide located on the CD that came with your table or by referring to *Upholstery Care and Maintenance.*

Painted Metal / Plastic Surfaces
Clean the painted metal and plastic surfaces weekly using a clean soft cloth, and mild cleaner. Periodic applications of common furniture wax will ease cleaning, and maintain the finished luster of the surfaces.

Preventative Maintenance

Periodically inspect the following areas:

- Power cord should be free of cuts or other visible damage.
- All fasteners should be present and tightened securely.
- All mechanical functions should operate properly.

Periodically lubricate the following areas to maintain quiet, smooth, operation:

- Back hinge *(use light machine oil)*.
- Footrest slide *(use household furniture wax)*.

To ensure safe use of table, have a qualified service technician inspect your table every six months.

Calling For Service

> **Note**
> *Model / serial number information is required when calling for service.*

If service is required, contact your authorized Midmark dealer.

To contact Midmark directly:

1-800-MIDMARK (1-800-643-6275)
8:00 am until 5:00 pm Monday - Friday (EST) [excluding standard U.S. holidays]

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Specifications

Weights & Electrical Specifications

Patient Weight *(maximum)*	400 lbs (181.4 kg)
Paper Roll *(maximum size)*	*(See Paper Roll & Tear Strap page)*
Range of Motion & Dimensions	*(See Range of Motion & Dimensions page)*
Weight of Table *[Weights listed are for 115V models. The 230V transformer adds 14.5 lbs (6.5 kg)]*	
w/upholstery w/packaging & skid *(no upholstery)* **Upholstery w/packaging** *(shipped separately)*	325 lbs (147 kg) 375 lbs (192.7 kg) 40 lbs (18.1 kg)
Power Cord(s) *[115V models have two cords]*	8 ft. (243.8 cm) long
Electrical Requirements	*[See Compliance Chart]*
Foot Control Voltage	14 VAC, SELV (Safety Extra Low Voltage)
Duplex Receptacle *(maximum load)* *(not available on 230 volt models)*	115 VAC, 5A, 50/60 Hz
Fuses *222/223 (all)* *F1 & F2 (on main PC board)* *F3 (on main PC board)* *F4 (on main PC board)* *223 (only)* *F5 (on main PC board)* *Models w/ drawer heater* *distribution board fuses (2)* *222 (-017)* *located next to IEC inlet (2)*	 10A, 250V, Slo-Blo, 1/4" x 1 1/4" 5A, 250V, Slo-Blo, 1/4" x 1 1/4" 187 mA, 250V, Slo-Blo, 1/4" x 1 1/4" 4A, 250V, Slo-Blo, 1/4" x 1 1/4" 800 mA, 250V, Slo-Blo, 5 x 20 mm 4A, 250V, Slo-Blo, 5 x 20 mm
Duty Cycle (Motor Run Time) Receptacles / Drawer Heater	 Intermittent Operation *[Domestic: 30 seconds ON / 5 minutes OFF]* *[Export: 25 seconds ON / 7 minutes OFF]* *Continuous Operation*
Classifications	Class I, Type B Applied Part Intermittent Operation *[Domestic: 30 seconds ON / 5 minutes OFF]* *[Export: 25 seconds ON / 7 minutes OFF]*
Protection against ingress of fluids	IPXO *[Foot Control only: IPX1]*

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Model Identification / Compliance Chart

Model	Description	Complies To:					Electrical Ratings:		
		UL 60601-1	CAN / CSA 22.2, #601.1 - M90	IEC 60601-1	EN 60601-1-2 (EMC)	CE	VAC +/- 10%	Amps	Cycles (Hz)
222-016	**Ritter Basic Table** *w/ Receptacle, Pelvic Tilt, & Drawer Heater*	•	•	•	•		115	11	50/60
222-017	**Ritter Basic Table - Export** *w/ Pelvic Tilt*	•	•	•	•	•	230	2.75	50/60
223-016	**Ritter Power Back Table** *w/ Receptacle, Pelvic Tilt, & Drawer Heater*	•	•	•	•		115	12.5	50/60

Fire Code Ratings: All upholstery complies with California Bureau of Home Furnishings Technical Bulletin 117.
Optional upholstery is available that complies with California Bureau of Home Furnishing Technical Bulletin 133.

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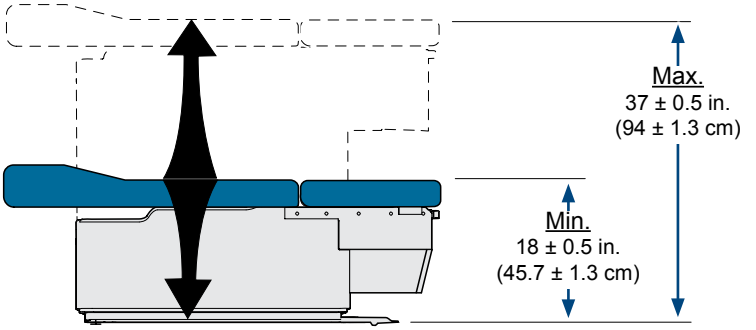
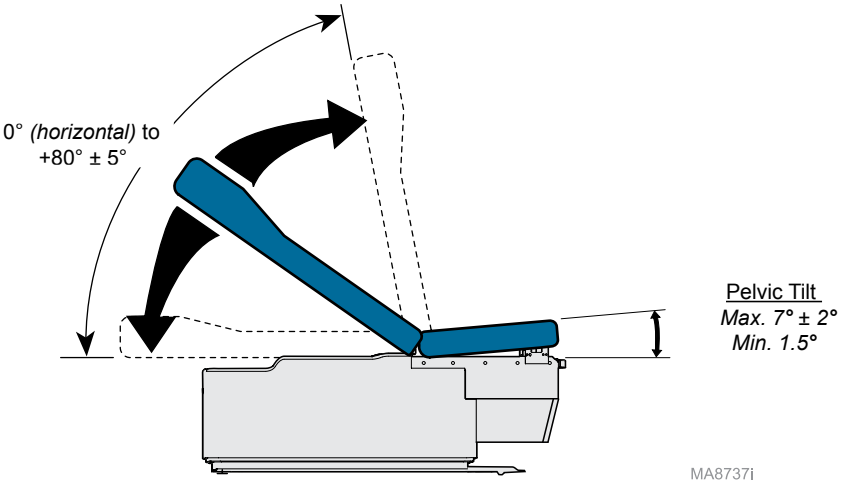
Range of Motion & Dimensions





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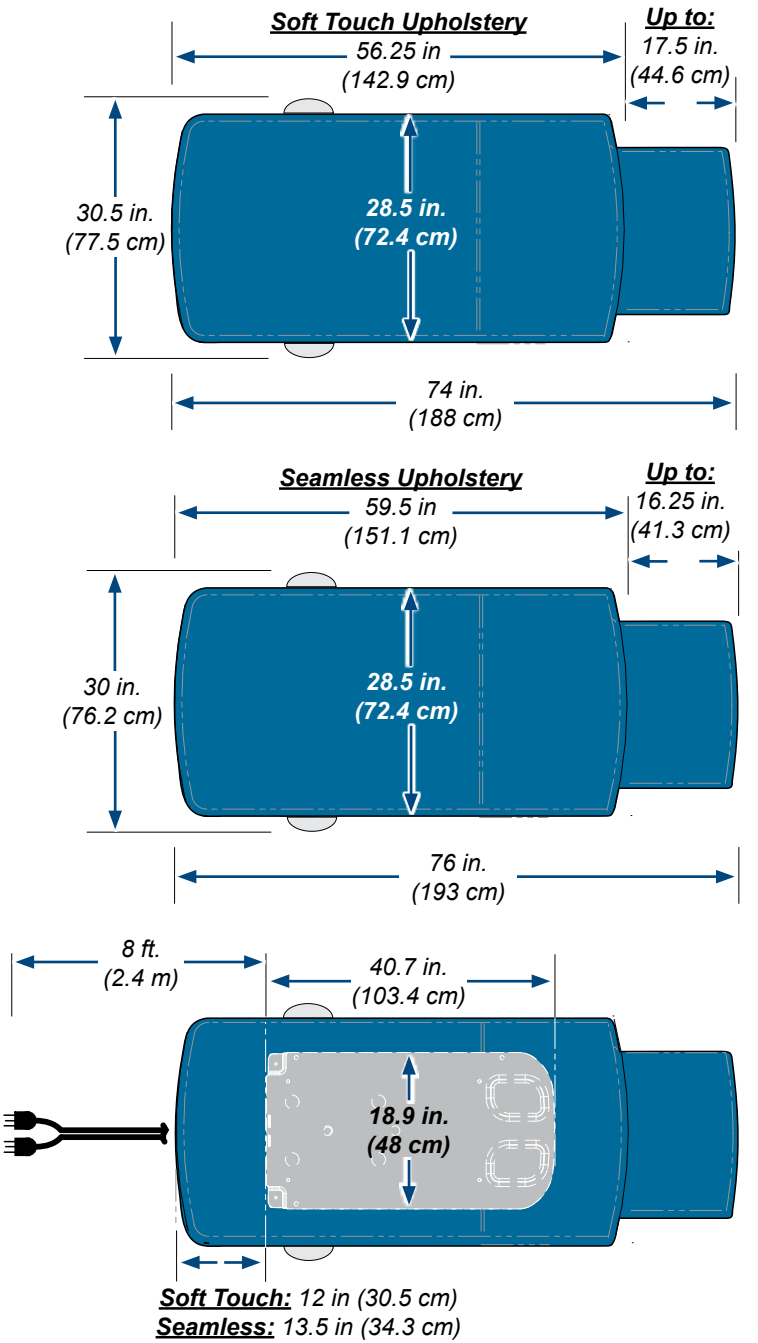
Range of Motion & Dimensions (continued)



Soft Touch: 12 in (30.5 cm)
Seamless: 13.5 in (34.3 cm)

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Warranty Information

Limited Warranty

SCOPE OF WARRANTY
Midmark Corporation (“Midmark”) warrants to the original purchaser its new Alternate Care products and components (except for components not warranted under “Exclusions”) manufactured by Midmark to be free from defects in material and workmanship under normal use and service. Midmark’s obligation under this warranty is limited to the repair or replacement, at Midmark’s option, of the parts or the products the defects of which are reported to Midmark within the applicable warranty period and which, upon examination by Midmark, prove to be defective.

APPLICABLE WARRANTY PERIOD
The applicable warranty period, measured from the date of delivery to the original user, shall be one (1) year for all warranted products and components.

EXCLUSIONS
This warranty does not cover and Midmark shall not be liable for the following: (1) repairs and replacements because of misuse, abuse, negligence, alteration, accident, freight damage, or tampering; (2) products which are not installed, used, and properly cleaned as required in the Midmark “Installation” and or “Installation / Operation Manual” for this applicable product; (3) products considered to be of a consumable nature; (4) accessories or parts not manufactured by Midmark; (5) charges by anyone for adjustments, repairs, replacement parts, installation, or other work performed upon or in connection with such products which is not expressly authorized in writing in advance by Midmark.

EXCLUSIVE REMEDY
Midmark’s only obligation under this warranty is the repair or replacement of defective parts. Midmark shall not be liable for any direct, special, indirect, incidental, exemplary, or consequential damages or delay, including, but not limited to, damages for loss of profits or loss of use.

NO AUTHORIZATION
No person or firm is authorized to create for Midmark any other obligation or liability in connection with the products.

THIS WARRANTY IS MIDMARK’S ONLY WARRANTY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. MIDMARK MAKES NO IMPLIED WARRANTIES OF ANY KIND INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS.

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Notes:

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